Imperial College
London

Department of Physics

High Energy Physics Group

Two Research Associates (Ref:0005)

Two Research Associate positions have become available in the High Energy Physics Group at, Imperial College London.

The Group is one of the leaders in the UK Neutrino Factory R & D programme and is participating in the T2K neutrino 'superbeam' experiment. The Group's Neutrino Factory activity includes the demonstration of ionisation cooling using the international Muon Ionisation Cooling Experiment (MICE) which will take place at Rutherford Appleton Laboratory (RAL). Ionisation cooling is the technique currently proposed to reduce the emittance of the muon beam before it enters the acceleration and storage sections of the Neutrino Factory. In addition, the Group is making a strong contribution to the development of the RAL Front End Test Stand and the simulation of the Neutrino Factory accelerator complex. You will play a major role in finalising the design of the scintillating-fibre tracker for MICE, developing the manufacturing and quality control procedures for the trackers, and in the installation and commissioning of the devices in the MICE Hall at RAL. Further details of the group's Neutrino Factory programme and the MICE experiment may be obtained from Prof. K. Long, Tel: (020) 7594 7812, Email: k.long@imperial.ac.uk

The Group also has a wide experimental programme embracing the CMS and LHC-B experiments at LHC, the DØ experiment at the Tevatron, the BABAR experiment at SLAC and the ZEUS experiment at HERA. Further details may be found on http://www.imperial.ac.uk/research/hep.

You should have (or be about to submit) a PhD in particle physics as well as experience in the development of hardware and/or software for applications in experimental particle physics or a similar discipline.

The positions are available from 1 October 2005, though a later starting date is possible, for an initial period of 2 years. Salary will be in the range £22,870 - £33,330 per annum, depending on qualifications and experience.

A job description and an application form can be obtained from the following website: http://www.imperial.ac.uk/employment/research/index.htm. Alternatively, please contact Ms Paula Brown, Tel: +44 (0) 20 7594 7823, Email: paula.brown@imperial.ac.uk. Completed application forms should be sent, with a full curriculum vitae and list of publications to Ms Paula Brown, Department of Physics, Blackett Laboratory, Prince Consort Road, Imperial College London, SW7 2AZ.

Closing date: 30 September 2005

Valuing diversity and committed to equality of opportunity.